PR60351USw

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Britton et al.

Serial No.:

10/565,296

Filing Date:

July 27, 2004

Art Unit:

Unknown

Examiner: Unknown

Title:

Cycloalkylidene Compounds As Modulators of Estrogen Receptor

Assistant Commissioner for Patents Mail Stop PCT PO Box 1450 Alexandria, VA 22313-1450

RESPONSE TO DECISION ON PETITION UNDER 37 C.F.R. § 1.47

Applicants previously submitted a Petition Under 37 CFR 1.47 to request that the USPTO recognize co-inventor Jonathan Britton as an unavailable inventor under 37 U.S.C. §116. Applicants' Petition was denied by Decision on Petition dated 7 June 2006,

After renewed efforts, co-inventor Britton has been located. Mr. Britton has now executed a combined Declaration and Power of Attorney for the instant Application. Said Declaration is submitted concurrently with this Response.

The Decision on Petition also questioned the spelling of co-inventor Katamreddy's name. The name of co-inventor Katamreddy was initially misspelled during the international application. The spelling was corrected during prosecution of the international application (see attached copy of PCT Notification of the Recording of a Change). Co-inventor Katamreddy was identified correctly in publication WO2005/012220A3 (see copy of cover page attached). Applicant submits that KATAMREDDY is the correct spelling of the co-inventors name and that that spelling should have transferred to the U.S. national stage application.

In view of co-inventor Britton's Declaration and the corrected spelling of co-inventor Katamreddy's name, Applicants respectfully request that the pending Petition

PR60351USw

under 37 C.F.R. 1.47 be withdrawn, and that the Application be found in condition for substantive examination.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge any fees or credit any overpayment, particularly including any fees required under 37 CFR Sections 1.16 and/or 1.17, and any necessary extension of time fees, to deposit Account No. 07-1392.

If additional information is needed, please contact Applicants' agent as detailed below for expedited handling.

Respectfully submitted,

USPTO Reg. No. 45,582

GlaxoSmithKline P.O. Box 13998 Durham, NC 27709

919-483-8160

919-483-7988 (fax)

PCT/US2004/024308

PATENT COOPERATION TREATY

MAR 0 7 2005

ypm j gulie

PCT	From the INTERNATIONAL BUREAU	
	To:	
NOTIFICATION OF THE RECORDING OF A CHANGE (PCT Rule 92bis.1 and Administrative Instructions, Section 422) Date of mailing (day/month/year) 01 March 2005 (01.03.2005)	LEVY, David, J. Glaxo\$mithKline Five Moore Drive P.O. Box 13398 Research Triangle Park, NC 27709 United States of America	
	<u> </u>	
Applicant's or agont's file reference PR60351WQ	IMPORTANT NOTIFICATION	
International application No. PCT/US2004/024308	International filing date (day/month/year) 27 July 2004 (27.07.2004)	
The following indications appeared on record concerning: The applicant The inventor	the agent the comm	on representative
Name and Address KALAMREDDY, Subba, Reddy GlaxoSmithKline Five Moore Drive P.O. Box 13398 Research Triangle Park, NC 27709 United States of America	State of Nationality IN Telephone No. Facsimile No.	State of Residence US
The International Bureau hereby notifies the applicant that the person		concerning; the residence
Name and Address KATAMREDDY, Subba, Reddy GlaxoSmithKline Five Moore Drive P.O. Box 13398 Research Triangle Park, NC 27709 United States of America	State of Nationality IN Telephone No. Facsimile No. Teleprinter No.	State of Residence US
3. Further observations, if nocessary:		
4. A copy of this notification has been sent to: X the receiving Office the International Searching Authority the International Proliminary Examining Authority	the designated Offices concerned the elected Offices concerned other;	
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Catherine MARQUIS (Fax 338-87-20)	
Facsimile No. (41-22) 338.87.20	Telephone No. (41-22) 338 9142	

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 10 February 2005 (10.02.2005)

PCT

(10) International Publication Number WO 2005/012220 A3

(51) International Patent Classification?: C07C 59/72. 235/34, C07D 207/333, 335/02, 211/60, 309/22, C07C 233/25, 43/295, C07F 9/142, C07C 317/22, A61K 31/192, 31/165, 31/40, 31/382, 31/44

(21) International Application Number:

PCT/US2004/024308

(22) International Filing Date: 27 July 2004 (27.07.2004)

(25) Filing Language:

English

(26) Publication Language:

(30) Priority Data: 60/490,588

28 July 2003 (28.07.2003)

English

(71) Applicant (for all designated States except US): SMITHKLINE BEECHAM CORPORATION [US/US]; One Franklin Plaza, Philadelphia, PA 19101 (US).

(72) Inventors; and

(75) Inventors/Applicants (for U/S only); BRITTON, Jonathan, E. [US/US]: GlaxoSmithKline, Five Moore Drive, P.O. Box 13398, Research Triangle Park, NC 27709 (US). FANG, Jing [CN/US]; GlaxoSmithKline, Five Moore Drive, P.O. Box 13398, Research Triangle Park, NC 27709 (US). HEYER, Dennis [US/US]; Glaxo-SmithKline, Five Moore Drive, P.O. Box 13398, Research Triangle Park, NC 27709 (US). MILLER, Aaron, Bayne [US/US]; GlaxoSmithKline, Five Moore Drive, P.O. Box 13398, Research Triangle Park, NC 27709 (US). NAVAS, Frank, III [US/US]; GlaxoSmithKline, Five Moore Drive. P.O. Box 13398, Research Triangle Park, NC 27709 (US). SMALLEY, Terrence, Lec, Jr. [US/US]; Glaxo-SmithKline, Five Moore Drive, P.O. Box 13398, Research Triangle Park, NC 27709 (US). ZUERCHER, William, J. [US/US]; GlaxoSmithKline, Five Moore Drive, P.O. Box 13398, Research Triangle Park, NC 27709 (US), KATAM-REDDY, Subba, Reddy [IN/US]; GlaxoSmithKline, Five Moore Drive, P.O. Box 13398. Research Triangle Park, NC 27709 (US).

(74) Agents: LEVY, David, J. et al.; GlaxoSmithKline, Five Moore Drive, P.O. Box 13398. Research Triangle Park, NC

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, BC, BB, BG, ES, FL GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KB, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, YE, YY, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

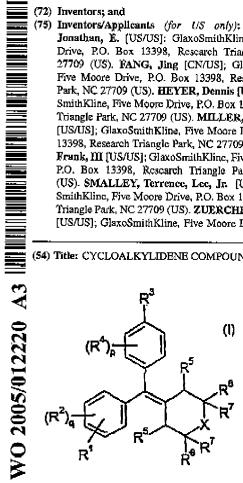
with international search report

before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the International search report: 24 March 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: CYCLOALKYLIDENE COMPOUNDS AS MODULATORS OF ESTROGEN RECHPTOR



(57) Abstract: The present invention relates to novel compounds with a variety of therapeutic uses, more particularly novel substituted cyclic alkylidene compounds that are particularly useful for selective estrogen receptor modulation. Formula (I) including salts, solvates, and pharmacologically functional derivatives thereof wherein R1 is OH; each of R2 and R4 independently are selected from OH, alkyl, or halogen; each of p and q independently are selected from 0, 1, or 2; \mathbb{R}^3 is $-(Y)_z - \mathbb{R}^6$; z is 0 or 1; Y is $-\mathbb{C} = \mathbb{C}$ - or $CR^6=CR^{1-}$; X is $-(CH_2)_{n^+}$ where n is 0, 1, 2, or 3, $-C(R^9)_{2^-}$, -O-, or -S-.